

## IN THE CLAIMS

Please add the following new claims:

- 1.(Original) Vehicle fuel cap outlet and inlet vent apparatus wherein the improvement comprises;
  - a an outlet aperture adjacent to a pillar in fuel cap body,
  - b umbrella or parabola shaped aperture cover having a mounting aperture to receive said pillar,
  - c an aperture cover concave side edge landed on surface around said pillar and said outlet aperture, and,
  - d an inlet aperture adjacent to a second pillar in said fuel cap body,
  - e a second aperture cover having an umbrella or parabola shape having a mounting aperture to receive said second pillar,
  - f and concave side edge aperture cover, landed on surface around said second pillar and said inlet aperture
- 2.(Original) Vehicle fuel cap outlet and inlet venting apparatus of claim 1 further comprising;
  - a said outlet aperture cover and said inlet aperture cover comprised of thermoplastic material having a Shore A scale hardness of 45 to 65.
- 3.(Original) Vehicle fuel cap outlet and inlet vent apparatus of claim 2 further comprising;
  - a said outlet aperture cover and said inlet aperture cover comprised of fluoropolymer thermoplastic material having a Shore A scale hardness of 45 to 65.
- 4.(Original) Vehicle fuel cap outlet and inlet vent apparatus of claim 2, further comprising;
  - a said outlet aperture cover and said inlet aperture cover, having an umbrella or parabola shape consisting of fluoropolymer thermoplastic molded material and said molded

material having a Shore A scale hardness of 50 to 60.

- 5.(Original) Vehicle fuel cap outlet and inlet vent apparatus wherein the improvement comprises;
- a a first outlet aperture vent in a fuel cap body,
  - b a first metal reed attached on one end and adjacent to said outlet aperture vent
  - c the end of said reed opposite to attached end extending to close said outlet aperture,
  - d end of said metal reed opposite to said attached end in shut off contact with said outlet aperture vent and,
  - e an inlet aperture in said fuel cap body,
  - f a second metal reed attached on one end and adjacent to aperture for inlet vent,
  - g the end of said second metal reed opposite to attached end, extending to cover said inlet aperture, and
  - h end of second metal reed opposite to said attached end in shut off contact with said inlet aperture, and
  - i a coating of plastic elastomer on said shut off ends of said reed valves.

- 6.(Original) Vehicle fuel cap outlet and inlet vent apparatus of claim 5, further comprising;
- a a coating of fluoropolymer thermoplastic on said shut off ends of said reed valves.

7.(Newly Added) Vehicle fuel cap apparatus comprising:

- (a) a fuel cap body having an outlet aperture and an inlet aperture therein;
- (b) a support member in said fuel cap body adjacent said outlet aperture;
- (c) an outlet aperture cover covering said outlet aperture and having a mounting aperture to receive said support member and being adapted to flex between opening and closing positions of said outlet aperture;

(d) a second support member in said fuel cap body and disposed adjacent said inlet aperture;  
and

(e) an inlet aperture cover covering said inlet aperture, and having a mounting aperture to  
receive said second support member, and being adapted to flex between opening and closing  
positions of said inlet aperture;

8.(Newly Added) The vehicle fuel cap apparatus defined in Claim 7, wherein said outlet aperture and  
inlet aperture covers are comprised of thermoplastic material.

9.(Newly Added) The vehicle fuel cap apparatus defined in Claim 7, wherein at least one of said outlet  
and inlet aperture covers is comprised of fluoropolymer thermoplastic material.

10.(Newly Added) The vehicle fuel cap apparatus defined in Claim 7 wherein each of said aperture  
covers tightly surrounds its supporting support member to thereby prevent vent leakage between its  
support member and said aperture cover.

11.(Newly Added) The vehicle fuel cap apparatus defined in Claim 7, including (f) an annular gasket  
surrounding said fuel cap body, said gasket being C-shaped in cross section.

12.(Newly Added) The vehicle fuel cap apparatus defined in Claim 7, wherein said inlet aperture cover  
and said outlet aperture cover face in opposite directions.

13.(Newly Added) The vehicle fuel cap apparatus defined in Claim 7, wherein said inlet aperture cover  
and said outlet aperture cover are spaced vertically.

14.(Newly Added) The vehicle fuel cap apparatus defined in Claim 7, wherein said inlet aperture cover  
and said outlet aperture cover face in opposite directions and are spaced vertically.

15.(Newly Added) The vehicle fuel cap apparatus defined in Claim 7, wherein said inlet aperture cover and said outlet aperture cover are spaced radially relative to said fuel cap body.

16.(Newly Added) Vehicle fuel cap apparatus comprising:

- (a) a fuel cap body having a top panel which has a top surface and an underside;
- (b) said panel having an outlet aperture and an inlet aperture each of which extends through said panel between said top surface and said underside;
- (c) an outlet aperture cover, covering said outlet aperture at said top surface of said panel;
- (d) an inlet aperture cover, covering said inlet aperture at said underside of said panel;
- (e) a first support member carried by said cap body adjacent said outlet aperture and supporting said outlet aperture over said outlet;
- (f) a second support member carried by said cap body adjacent said inlet aperture and supporting said inlet aperture cover over said inlet aperture;
- (g) said outlet aperture cover having a mounting aperture to receive said first mentioned support member and being adapted to flex between open and closed positions of said outlet aperture; and
- (h) said inlet aperture cover having a mounting aperture to receive said second-mentioned support member and being adapted to flex between open and closed positions of said inlet aperture.

17.(Newly Added) Vehicle fuel cap apparatus comprising:

- (a) a fuel cap body having a top panel which has a top surface and an underside;
- (b) said panel having an outlet aperture and an inlet aperture, each of which extends through said panel between said top surface and said underside;

- (c) an outlet aperture cover covering said outlet aperture at said top surface of said panel, said outlet aperture cover having a mounting aperture therein;
- (d) a support member carried by said panel adjacent said outlet aperture cover and extending into said mounting aperture in supporting relation to said outlet aperture cover;
- (e) an inlet aperture cover covering said inlet aperture at said underside of said panel, said inlet aperture cover having a mounting aperture therein to receive a support member therein;
- (f) a second support member carried by said panel adjacent said inlet aperture cover and extending into said second-mentioned mounting aperture in supporting relation to said inlet aperture cover;
- (g) each of said aperture covers having an aperture-closing surface comprised of a plastic elastomer;

18.(Newly Added) Vehicle fuel cap apparatus comprising:

- (a) a fuel cap body;
- (b) a pillar carried by said body;
- (c) an outlet aperture extending through said body adjacent said pillar;
- (d) an outlet aperture cover, said cover having a mounting aperture to receive said pillar;
- (e) a second pillar carried by said body;
- (f) an inlet aperture extending through said body adjacent said second pillar;
- (g) an inlet aperture cover having a mounting aperture to receive said second pillar;
- (h) said outlet aperture cover having a concave side edge landed on surface around said first mentioned pillar; and
- (i) said inlet aperture cover having a concave side edge landed on surface around said second-mentioned pillar.